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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/794,851*

DATE: 08/22/97
TIME: 14:56:26

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This Raw Listing contains the General Information Section and up to the first 5 pages.

```
 1                              SEQUENCE LISTING
 2
 3   (1)    General Information:
 4
 5       (i) APPLICANT: Barany, Francis
 6                      Barany, George
 7                      Hammer, Robert P.
 8                      Kempe, Maria
 9                      Blok, Herman
10                      Zirvi, Monib
11
12      (ii) TITLE OF INVENTION: DETECTION OF NUCLEIC ACID SEQUENCE
13               DIFFERENCES USING THE LIGASE DETECTION REACTION WITH
14               ADDRESSABLE ARRAYS
15
16     (iii) NUMBER OF SEQUENCES: 16
17
18      (iv) CORRESPONDENCE ADDRESS:
19               (A) ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
20               (B) STREET: Clinton Square, P.O. Box 1051
21               (C) CITY: Rochester
22               (D) STATE: New York
23               (E) COUNTRY: U.S.A.
24               (F) ZIP: 14603
25
26       (v) COMPUTER READABLE FORM:
27               (A) MEDIUM TYPE: Floppy disk
28               (B) COMPUTER: IBM PC compatible
29               (C) OPERATING SYSTEM: PC-DOS/MS-DOS
30               (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
31
32      (vi) CURRENT APPLICATION DATA:
33               (A) APPLICATION NUMBER: US 08/794,851
34               (B) FILING DATE: 04-FEB-1997
35               (C) CLASSIFICATION:
36
37     (vii) PRIOR APPLICATION DATA:
38               (A) APPLICATION NUMBER: US 60/011,359
39               (B) FILING DATE: 09-FEB-1996
40
41    (viii) ATTORNEY/AGENT INFORMATION:
42               (A) NAME: Goldman, Michael L.
43               (B) REGISTRATION NUMBER: 30,727
44               (C) REFERENCE/DOCKET NUMBER: 19603/461
45
46      (ix) TELECOMMUNICATION INFORMATION:
```

```
47              (A) TELEPHONE: (716) 263-1304
48              (B) TELEFAX: (716) 263-1600
49
50
51    (2) INFORMATION FOR SEQ ID NO:1:
52
53       (i) SEQUENCE CHARACTERISTICS:
54              (A) LENGTH: 10 base pairs
55              (B) TYPE: nucleic acid
56              (C) STRANDEDNESS: single
57              (D) TOPOLOGY: linear
58
59      (ii) MOLECULE TYPE: cDNA
60
61
62
63
64       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
65
66    CACACACACA                                                         10
67
68    (2) INFORMATION FOR SEQ ID NO:2:
69
70       (i) SEQUENCE CHARACTERISTICS:
71              (A) LENGTH: 24 base pairs
72              (B) TYPE: nucleic acid
73              (C) STRANDEDNESS: single
74              (D) TOPOLOGY: linear
75
76      (ii) MOLECULE TYPE: cDNA
77
78
79
80
81       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
82
83    TGCGGGTACA GCACCTACCT TGCG                                         24
84
85    (2) INFORMATION FOR SEQ ID NO:3:
86
87       (i) SEQUENCE CHARACTERISTICS:
88              (A) LENGTH: 24 base pairs
89              (B) TYPE: nucleic acid
90              (C) STRANDEDNESS: single
91              (D) TOPOLOGY: linear
92
93      (ii) MOLECULE TYPE: cDNA
94
95
96
97
98       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
99
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100   ATCGGGTAGG TAACCTTGCG TGCG                                    24
101
102   (2) INFORMATION FOR SEQ ID NO:4:
103
104      (i) SEQUENCE CHARACTERISTICS:
105           (A) LENGTH: 24 base pairs
106           (B) TYPE: nucleic acid
107           (C) STRANDEDNESS: single
108           (D) TOPOLOGY: linear
109
110      (ii) MOLECULE TYPE: cDNA
111
112
113
114
115      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
116
117   CAGCGGTAGA CCACCTATCG TGCG                                    24
118
119   (2) INFORMATION FOR SEQ ID NO:5:
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121      (i) SEQUENCE CHARACTERISTICS:
122           (A) LENGTH: 24 base pairs
123           (B) TYPE: nucleic acid
124           (C) STRANDEDNESS: single
125           (D) TOPOLOGY: linear
126
127      (ii) MOLECULE TYPE: cDNA
128
129
130
131
132      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
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134   GGTAGGTAAC CTACCTCAGC TGCG                                    24
135
136   (2) INFORMATION FOR SEQ ID NO:6:
137
138      (i) SEQUENCE CHARACTERISTICS:
139           (A) LENGTH: 24 base pairs
140           (B) TYPE: nucleic acid
141           (C) STRANDEDNESS: single
142           (D) TOPOLOGY: linear
143
144      (ii) MOLECULE TYPE: cDNA
145
146
147
148
149      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
150
151   GACCGGTATG CGACCTGGTA TGCG                                    24
152
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153    (2) INFORMATION FOR SEQ ID NO:7:
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155         (i) SEQUENCE CHARACTERISTICS:
156              (A) LENGTH: 24 base pairs
157              (B) TYPE: nucleic acid
158              (C) STRANDEDNESS: single
159              (D) TOPOLOGY: linear
160
161        (ii) MOLECULE TYPE: cDNA
162
163
164
165
166        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
167
168    ATCGGGTAGG TAACCTTGCG TGCG                                      24
169
170    (2) INFORMATION FOR SEQ ID NO:8:
171
172         (i) SEQUENCE CHARACTERISTICS:
173              (A) LENGTH: 24 base pairs
174              (B) TYPE: nucleic acid
175              (C) STRANDEDNESS: single
176              (D) TOPOLOGY: linear
177
178        (ii) MOLECULE TYPE: cDNA
179
180
181
182
183        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
184
185    GGTAGGTAAC CTACCTCAGC TGCG                                      24
186
187    (2) INFORMATION FOR SEQ ID NO:9:
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189         (i) SEQUENCE CHARACTERISTICS:
190              (A) LENGTH: 24 base pairs
191              (B) TYPE: nucleic acid
192              (C) STRANDEDNESS: single
193              (D) TOPOLOGY: linear
194
195        (ii) MOLECULE TYPE: cDNA
196
197
198
199
200        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
201
202    ATCGGGTAGG TAACCTTGCG TGCG                                      24
203
204    (2) INFORMATION FOR SEQ ID NO:10:
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207            (A) LENGTH: 24 base pairs
208            (B) TYPE: nucleic acid
209            (C) STRANDEDNESS: single
210            (D) TOPOLOGY: linear
211
212       (ii) MOLECULE TYPE: cDNA
213
214
215
216
217       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
218
219  GGTAGGTAAC CTACCTCAGC TGCG                                    24
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221  (2) INFORMATION FOR SEQ ID NO:11:
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223        (i) SEQUENCE CHARACTERISTICS:
224            (A) LENGTH: 24 base pairs
225            (B) TYPE: nucleic acid
226            (C) STRANDEDNESS: single
227            (D) TOPOLOGY: linear
228
229       (ii) MOLECULE TYPE: cDNA
230
231
232
233
234       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
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236  ATCGGGTAGG TAACCTTGCG TGCG                                    24
237
238  (2) INFORMATION FOR SEQ ID NO:12:
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240        (i) SEQUENCE CHARACTERISTICS:
241            (A) LENGTH: 24 base pairs
242            (B) TYPE: nucleic acid
243            (C) STRANDEDNESS: single
244            (D) TOPOLOGY: linear
245
246       (ii) MOLECULE TYPE: cDNA
247
248
249
250
251       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
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253  CAGCACCTGA CCATCGATCG CAGC                                    24
254
255  (2) INFORMATION FOR SEQ ID NO:13:
256
257        (i) SEQUENCE CHARACTERISTICS:
258            (A) LENGTH: 24 base pairs
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# SEQUENCE VERIFICATION REPORT
## PATENT APPLICATION  *US/08/794,851*

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